APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,642	01/21/2004	Fabio Casati	200310151-1	3326

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EXAMINER
RAYYAN, SUSAN F

ART UNIT	PAPER NUMBER
2167	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

	Application No.	Applicant(s)
Office Action Summary	10/761,642	CASATI ET AL.
	Examiner	Art Unit	
	Susan F. Rayyan	2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b)..

Status

1)☒ Responsive to communication(s) filed on <u>*17 October 2006*</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

[signature]
April 10, 2007

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 1-20 are pending.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public
>
> use or on sale in this country, more than one year prior to the date of application for patent in the United
>
> States.

Claims 1-9, 11-20 are rejected under 35 U.S.C. 102(b) as being anticipated

by US Patent Publication Number 2003/0041044 A1 issued to Charles Joseph

Monestere III (Monestere").

As per independent claim 1 Monestere anticipates:

selecting, by a user, at least one metric from an alternative representation of a

database of existing data (paragraphs 35-36: Monesteres' search criteria that can be

used to identify the reports of possible interest to the user equates to Applicants'

metrics);

selecting a mapping based on the at least one metric (paragraph 36: Monesteres'

search module uses the search criteria of the search request to search (query) the

mirror database);

invoking a mapping to create a search query (paragraph 36: Monesteres' search

module uses the search criteria of the search request to search the mirror database in

the mirror database system equates to Applicants' description of a "mapping" as a

search query in the Summary of the Invention);

invoking an interpreter to execute the search query and return data related to the search

query (paragraph 36 and 37, lines 1-4: Monesteres' **search module** uses the search

criteria of the search request to search the mirror database in the mirror database

system and using the data subsets stored in the mirror database, the search module

compiles a search result list equates to   Applicants' **interpreter** as described in the

specification at paragraph 10 as capable of processing queries to retrieve and store

data to the set of data at paragraph 10 of specification);

and displaying the data related to the search query (paragraph 37, lines 6-8).

As per claim 2, same as claim argument s above and Monestere anticipates:

wherein selecting further comprises selecting from the alternative representation of the

database wherein the alternative representation is a reduced version of the existing

data (paragraph 4, lines 9-11, paragraph 20, lines 1-13).

As per claim 3, same as claim arguments above and Monestere anticipates:

wherein selecting further comprises selecting a metric (paragraph 35, lines 1-2: metric

equates to search criteria).

As per claim 4, same as claim arguments above and Monestere anticipates:

generating a request based on the existing data from the request based on the at least

one metric prior to the invoking(paragraph 35);

and wherein the invoking further comprises invoking the interpreter using the request

based on the at least one metric(paragraph 36).

As per claim 5, same as claim arguments above and Monestere anticipates:

wherein selecting further comprises selecting the at least one metric from the alternative

representation of the database of existing data to create a generic structured query

language (SQL) request based on the at least one metric(paragraph 21, lines 6-9).

As per claim 6, same as claim arguments above and Monestere anticipates:

wherein generating further comprises generating a specialized SQL request based on

the existing data from the request based on the at least one metric(paragraph 21, lines

6-9).

As per claim 7, same as claim arguments above and Monestere anticipates:

wherein the selecting further comprises selecting at least one metric from the alternative

representation of the database of existing data, the alternative representation

incorporated with the existing data in the database(paragraph 15) .

As per independent claim 8 Monestere anticipates:

maintaining existing data (paragraph 20, lines 1-5);

storing metrics related to the existing data (paragraph 20, lines 4-12: metrics equates to

search criteria);

selecting a mapping based on the at least one metric (paragraph 36: Monesteres'

search module uses the search criteria of the search request to search (query) the

mirror database);

using the selected mapping, mapping the existing data to the metrics (paragraph 35,

lines 5-13mapping equates to search query);

and providing access to the existing data by referencing the metrics (paragraph 36).

As per claim 9, same as claim argument s above and Monestere anticipates:

wherein mapping further comprises mapping the existing data to a set of predefined

metrics (paragraphs 19-20).

As per claim 11, same as claim argument s above and Monestere anticipates:

wherein the providing further comprises generating a specific query to the existing data

using the metrics (paragraph 35).

As per independent claim 12 Monestere anticipates:

a computer system having a central processing unit (CPU) (Figure 1);

a memory coupled to the CPU, the memory storing a reporting application executable

by the CPU (Figure 1 and paragraph 15);

a database coupled to the computer system, the database storing a previously created

data set (Figure 1 and paragraph 4);

wherein the database comprises an alternative representation of the previously created

data and an interpreter that executes search queries generated from mappings stored in

the alternative representation (paragraph 28 mirror database, paragraph 36 (search

module equates to interpreter and mapping equates to the search query and paragraph

37 , lines 1-2).

As per claim 13, same as claim arguments above and Monestere anticipates:

wherein the database is part of the computer system (paragraph 13).

As per claim 14, same as claim argument s above and Monestere anticipates:

wherein the reporting program allows a user to select at least one metric from the

alternative representation of the database to create a request based on the at least one

metric (paragraph 35-36), and wherein an interpreter of the database modifies the

request to pertain to the previously created data (paragraph 37, lines 1-9).

As per claim 15, same as claim arguments above and Monestere anticipates:

further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

As per claim 16, same as claim arguments above and Monestere anticipates:

wherein the reporting program allows a user to select at least one metric from the

alternative representation of the database to create structured query language (SQL)

request based on the at least one metric, and wherein an interpreter of the database

replaces labels of the SQL request to pertain to the previously created data (paragraphs

21, 35-36).

As per claim 17, same as claim arguments above and Monestere anticipates:

wherein the database comprises a reduced representation as the alternative

representation (paragraph 4, lines 9-11).

As per independent claim 18 Monestere anticipates:

a computer system having a means for executing program, a means for storing

programs coupled to the means for executing, the means for storing a reporting

application executable by the means for executing (Figure 1); a database coupled to the

computer system, the database storing a previously created data set (paragraph4, lines

9-11 and paragraph 37, lines 1-2:);

wherein the database comprises an alternative representation of the previously created

data and an interpreter that executes search queries generated from mappings stored in

the alternative representation (paragraph 36: mirror database, mappings equate to

search query and interpreter equates to the search module).

As per claim 19, same as claim arguments above and Monestere anticipates:

wherein the reporting program allows a user to select at least one metric from the

alternative representation of the database to create a request based on the at least one

metric, and wherein an interpreter of the database modifies the request to pertain to the

previously created data(paragraphs 21, 35-36).

As per claim 20, same as claim arguments above and Monestere anticipates:

further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102
>
> of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject
>
> matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art
>
> to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was   .
>
> made.

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over US

Patent Publication Number 2003/0041044 A1 issued to Charles Joseph Monestere

III (Monestere") in view of US Patent Application Publication Number

2005/0256766 A1 issued to Johann S. Garcia et al ("Garcia").

As per claim 10, same as claim arguments above and Monestere does not explicitly

teach wherein mapping further comprises utilizing a general mapping table ... Garcia

does teach utilizing a general mapping table ... (paragraph 72) to efficiently map or

translate incoming search terms at paragraph 72, lines 4-5. It would have been obvious

to one of ordinary skill in the art at the time of the invention to modify Monestere with

utilizing a general mapping table ... to efficiently map or translate incoming search

terms at paragraph 72, lines 4-5.

Response to Arguments

4.   Applicant's arguments filed October 17, 2006 have been fully considered but they are not persuasive.

Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Regarding claims 12, 18 Applicant argues prior art of record does not teach "an interpreter that executes search queries generated from mappings". Monesteres' **search module** uses the search criteria of the search request to search (query) the mirror database in the mirror database system and using the data subsets stored in the mirror database, the search module compiles a search result list equates to   Applicants' **interpreter** as described in the specification at paragraph 10 as capable of processing queries to retrieve and store data to the set of data at paragraph 10 of specification);

Conclusion

5.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the
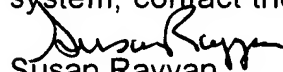
shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Contact Information

6.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Susan Rayyan whose telephone number is (571) 272-

1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone

number for the organization where this application or proceeding is assigned is

703-872-9306.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Susan Rayyan

April 10, 2007

JOHN COTTINGHAM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100